inductive sensor XS1 M30, L41mm, brass, Sn10mm, 12..24VDC, cable 2m





Main

| Range of Product | Telemecanique Inductive proximity sensors XS |
|------------------------------------|---|
| Series name | General purpose |
| Sensor Type | Inductive proximity sensor |
| Device Application | Mobile equipment |
| Sensor name | XS1 |
| Sensor design | Cylindrical M30 |
| Size | 44 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Metal |
| Type of output signal | Discrete |
| Wiring Technique | 4-wire |
| [Sn] nominal sensing distance | 0.39 in (10 mm) |
| Discrete output function | 1 NO + 1 NC |
| Output circuit type | DC |
| Discrete output type | PNP |
| Electrical connection | Cable |
| Cable length | 6.56 ft (2 m) |
| [Us] rated supply voltage | 1224 V DC reverse polarity protection |
| Switching capacity in mA | <= 200 mA overload and short-circuit protection |
| IP degree of protection | IP68 conforming to IEC 60529 IP65 |
| | |

Complementary

| Complementary | |
|--------------------------|---|
| Safety level | SIL 2 EN/IEC 61508 PL = d EN/ISO 13849-1 SILCL 2 IEC 62061 |
| Safety reliability data | MTTFd = 1810 years PFHd = 62.9E-9 1/h SFF = 92 % DC = 74 % with appropriate safety controller |
| Service Life | 20 year(s) |
| Thread type | M30 x 1.5 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure Material | Nickel Plated Brass |
| Operating zone | 0.000.31 in (08 mm) |
| Differential travel | 115% of Sr |
| Cable composition | 4 x 0.22 mm² |
| Wire insulation material | PvR |
| Status LED | Output state 1 LED yellow) |
| Supply voltage limits | 936 V DC |
| Switching frequency | <= 1000 Hz |
| Maximum voltage drop | <2 V closed) |
| Current consumption | 010 mA no-load |
| | |

| Maximum delay first up | 5 ms | |
|------------------------|-----------------|--|
| Maximum delay response | 0.3 ms | |
| Maximum delay recovery | 0.7 ms | |
| Marking | CE | |
| Threaded length | 1.26 in (32 mm) | |
| Length | 1.73 in (44 mm) | |

Environment

| Standards | IEC 62061 EN/ISO 13849-1 |
|---------------------------------------|--------------------------------------|
| Product Certifications | CSA UL E2 TÜV |
| Ambient Air Temperature for Operation | -40158 °F (-4070 °C) |
| Ambient Air Temperature for Storage | -40185 °F (-4085 °C) |
| Vibration resistance | 25 gn +/- 2 mm 1055 Hz)IEC 60068-2-6 |
| Shock resistance | 50 gn 11 ms IEC 60068-2-27 |

Ordering and shipping details

| Category | 22486-SENSORS, PROXIMITY |
|-----------------------|--------------------------|
| Discount Schedule | DS2 |
| GTIN | 3389110328295 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.35 lb(US) (0.16 kg) |
| Returnability | No |
| Country of origin | FR |

Packing Units

| Package 1 Height | 0.010 dm |
|------------------|----------|
| Package 1 width | 0.010 dm |
| Package 1 Length | 0.020 dm |

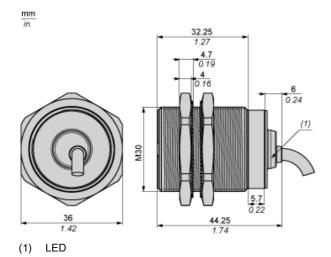
Offer Sustainability

| Sustainable offer status | Green Premium product |
|----------------------------|---|
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| REACh Regulation | ☑ REACh Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EVEN RoHS |
| Mercury free | Yes |
| RoHS exemption information | ₫Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |

Contractual warranty

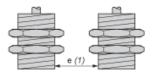
| 144 | |
|----------|-----------|
| Warranty | 18 months |
| varianty | To monate |
| | |

Dimensions



Minimum Mounting Distances

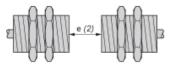
Side by side



e (1) 20 mm/0.79 in

≥

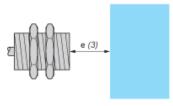
Face to face



e (2) 120 mm/4.72 in

≥

Facing a metal object



e (3) 30 mm/1.18 in.

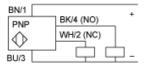
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Product data sheet Connections and Schema

XS1N30PC410TF

Wiring Schemes

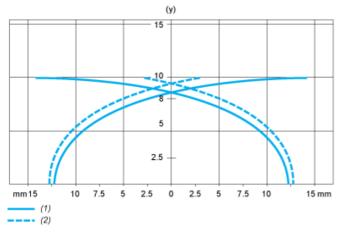
PNP 4-wire



BU: Blue BN: Brown BK: Black WH: White

Performance Curves

Standard Steel Target: 30x30x1 mm



- (1) Pick-up points
- (2) Drop-out points (object approaching from the side)
- (y) Sensing distance in mm